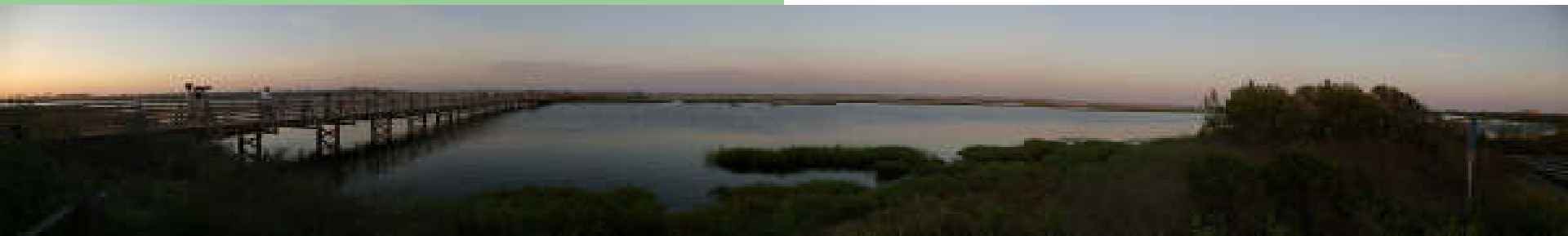


2008 Integrated Report for the Santa Ana Region

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Key Points of the Integrated Report Process

- What is an Integrated Report?
- What does the Integrated Report include?
- How is the Integrated Report developed?
- What are the findings from the data assessment?

Background Information

- CWA Section 303 d - develop and submit to EPA a list of water quality limited segments (impaired waters)
- Water Quality Standard = Beneficial Use + Water Quality Objective
- CWA Section 305 b - report biennially to EPA on the water quality conditions of its waters (water quality assessment)

What is the Integrated Report?

- Combines the CWA Section 305 (b) Report with the Section 303 (d) List of Impaired Waters
- Categorizes the water bodies assessed into 5 categories

What does the Integrated Report Include?

- Water quality assessment per CWA Section 305 b and the List of water quality limited segments per CWA Section 303 d and a schedule for TMDL development
- Includes water bodies that we propose to de-list because these are meeting water quality standards (beneficial uses + water quality objectives)

Integrated Report Categories

- Category 1: Water bodies meet all water quality standards (WQS); no use is threatened;
- Category 2: Water bodies meet some WQS; insufficient data available to determine if all applicable WQS are met;
- Category 3: Insufficient data available to determine if any WQS is being attained.

Integrated Report Categories

- Category 4: One or more WQS are impaired or threatened; TMDL not required or already been established.
 - 4a TMDL already approved/established by EPA
 - 4b Other pollution control requirements expected to attain WQS
 - 4c Water body impairment is not caused by a pollutant

Integrated Report Categories

- ***Category 5: Water body impaired, does not attain WQS → TMDL is necessary.***

How is the Integrated Report developed?

- Data screened and compared to applicable WQS in accordance with the Water Quality Control Policy for Developing California's Clean Water Act Section 303 d List (State Listing Policy);
- Factsheets were developed for each pollutant/water body combination;
- Does the water body meet the WQS?
Yes/No.

Data Reviewed for the Integrated Report

Waterbody	Beneficial Uses	Data Sources
Big Bear Lake	Aquatic Life	Big Bear MWD
Borrego Creek	Aquatic Life, Body Contact Rec.	OC Coast Keeper
Newport Bay	Body Contact Rec.	Prop 13 Grant data
Chino Creek	Groundwater Recharge	Dept of Pesticide Reg.
San Sevaine Creek	Aquatic Life	Chino Basin Water Master

Assessment Findings

- Beneficial uses impaired:
 - Groundwater recharge
 - Aquatic Life
 - Body Contact Recreation
- Pollutants:
 - Metals (including mercury)
 - Organics (naphthalene, acenaphthene)
 - TDS
 - pH
 - Chloride
 - Ammonia
 - Bacteria
 - Sulfate

Impaired Water Bodies

- Bolsa Chica Channel
- Borrego Creek
- Chino Creek R1b
- Chino Creek R2
- City Creek
- Cucamonga Creek R1&2
- Day Creek
- Hole Lake
- Lake Elsinore
- Newport Beach
- Peters Canyon Channel
- Rathbone Creek
- San Antonio Creek
- Santa Ana River R3&5
- Seal Beach
- Serrano Creek
- Temescal Creek
- Wintersburg Channel

→ TMDLs as soon as possible but no later than 2021

Next Steps

- Two or more stakeholder meetings
- Comments due end of February 2009
- Public Hearing on April 24, 2009

Please provide your comments to:

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